

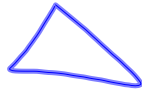
$$A = s^2$$



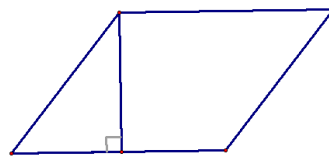
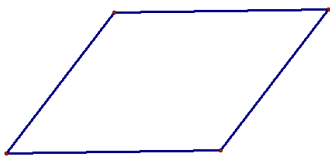
$$A = bh$$

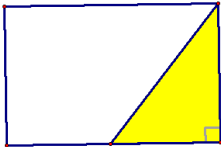
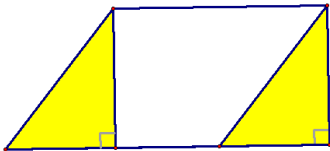
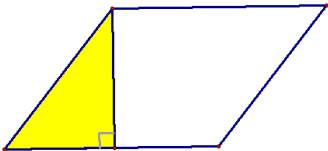


$$A = \frac{1}{2}bh$$

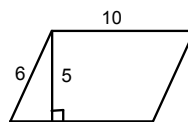
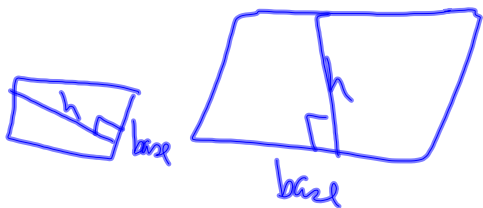


8-5 Area of Parallelograms





Area = base x height

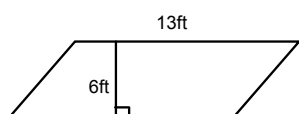


$$A = bh$$

$$A = h \cdot b$$

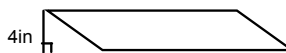
$$A = 5 \cdot 10$$

$$A = 50 \text{ u}^2$$



$$A = 6 \cdot 13$$

$$78 \text{ ft}^2$$



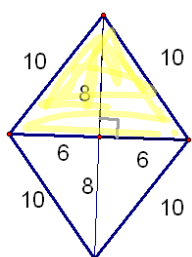
$$A = 48 \text{ in}^2$$

$$\text{base} = 12 \text{ in}$$

$$A = bh$$

$$48 = 4b$$

$$12 = b$$



Rhombus

$$\Delta_1 A = \frac{1}{2} 8 \cdot 12 = 48$$

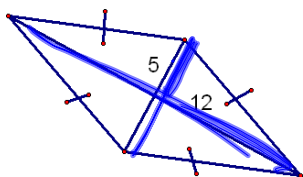
$$\Delta_2 A = \frac{1}{2} 8 \cdot 12 = 48$$

$$A = 48 + 48 = 96 u^2$$

$$\text{Area of a rhombus} = \frac{1}{2} d_1 \times d_2$$

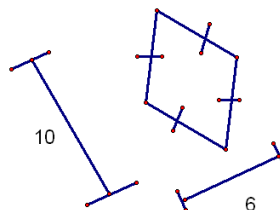
$d_1 \rightarrow$ diagonal
 $d_2 \rightarrow$ diagonal

$$A = \frac{1}{2} 12 \cdot 16 = 96 u^2$$



$$A = \frac{1}{2} d_1 \times d_2$$

$$\frac{1}{2} 10 \cdot 24 = 120 u^2$$



$$A = \frac{1}{2} 10 \cdot 6$$

$$A = 30 u^2$$

HW
p442-443
8-14, 18-27